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(71) Applicant:

**AGENCY OF IND  
SCIENCE & TECHNOL CHIKYU  
KANKYO SANGYO GIJUTSU  
KENKYU KIKO SUMITOMO  
METAL MINING CO LTD KANSAI  
COKE & CHEM CO LTD KOBE  
STEEL LTD KAWASAKI HEAVY  
IND LTD MITSUI TOATSU CHEM  
INC OSAKA GAS CO LTD**

(72) Inventor:

**SAITO MASAHIRO  
KANAI YUUKI  
TAKEUCHI MASAMI  
MORIYA KEIKO  
WATANABE DAIKI  
KAWAI MOTOMASU  
KAKUMOTO TERUMITSU**

**(54) METHANOL SYNTHESIS CATALYST AND  
MANUFACTURE THEREOF**

(57) Abstract:

PURPOSE: To obtain a high methanol yield in the synthesis of methanol in which carbon oxide reacts with hydrogen at a relatively low temperature by specifying the ratio of contents of copper oxide, zinc oxide, and zirconium oxide.

CONSTITUTION: The appropriate content of copper oxide in a catalyst is 20-70wt.%; the catalyst performance is not adequate when the content is deviated from the above range. The desirable contents of both zinc oxide and zirconium oxide are 5-75wt.%. The best results can be obtained by selecting the contents of these metal oxides corresponding to the composition of raw material gas.

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Inventor	IN	SAITO MASAHIRO ; KANAI YUUKI ; TAKEUCHI MASAMI ; MORIYA KEIKO ; WATANABE DAIKI ; KAWAI MOTOMASU ; KAKUMOTO TERUMITSU
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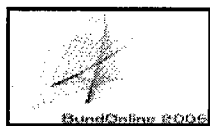
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